



SYNOPSIS OF MIDLAND'S NATIONAL ELECTRICAL CODE (NEC) AMENDMENTS

NOTE: The City of Midland has previously adopted the 200 National Electrical Code (NEC) with amendments. Effective September 1, 2010, the City's Amendments have been modified as follows. Please note that the "struck through" items below are City Amendments that have been deleted.

4-2-22. Wiring methods.

All wiring methods approved by the National Electric Code are hereby adopted with the following exceptions:

(A) No conductor smaller than size number twelve (12) wire shall be permitted in any type of electrical installation that exceeds one hundred (100) volts to ground except in control circuits.

(B) No aluminum wire conductor smaller than size number one-zero (1/0) shall be used on premises wiring within the corporate limits of the City of Midland, ***except overhead exterior (aerial) circuits may use aluminum wire conductor that meet NEC sizing requirements,***

~~(C) *Mercantile; commercial; public assembly:* All buildings hereafter erected for mercantile or commercial purposes and all buildings used for public assembly such as, but not limited to grain elevators, filling stations, refineries, commercial garages, churches, schools, dormitories, apartments, rooming houses, hotels, hospitals, clinics and residences for more than one family, except duplexes, within the corporate limits of the City of Midland, shall have all electric wiring for any purpose installed in a complete and continuous metal raceway system and the minimum conductor size shall be twenty (20) ampere capacity, except low voltage conductors.~~

~~*Exception:* Under the ground or beneath a slab conduit material may be non-metallic (plastic); however, it must be electrical grade of not less than schedule forty (40) thickness and all risers must be metal conduit.~~

~~(D)~~ **(C) *Branch circuit:*** All residence branch circuit conductors shall be twenty (20) ampere capacity and shall be protected by twenty (20) ampere circuit breakers or twenty (20) ampere fuses of the tamper-proof type. Larger branch circuit protectors shall be allowed only on special purpose circuits.

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~~(E) *Receptacle outlets:* In residential occupancies receptacle outlets shall be installed so that no point along the floor line in any wall space is more than six (6) feet, measured horizontally for an outlet in that space, including any wall space four (4) feet or more in width. Bookcases, sliding door areas and areas behind doors shall not be counted. The wall space afforded by fixed room dividers, such as freestanding bar-type counters, shall be included in the six (6) foot measurement.~~

~~(F) *Kitchen receptacles:* A kitchen must have a minimum of two (2) circuits supplying receptacle outlets only with a limit of three (3) openings on each circuit.~~

~~(G)~~ **(D)** *Future circuits:* There shall be a minimum of two (2) three-fourths (3/4) inch conduit or electrical metallic tubing from lighting panels with twenty or more breaker switches and there shall be a minimum of one (1) three-fourths (3/4) inch conduit or electrical metallic tubing from lighting panels with less than twenty (20) breaker switches.

~~(H)~~ **(E)** *Residential services:* All meter locations shall conform to the latest electric utility provider guidelines and specifications which are hereby adopted, a copy of which is on file with the City Secretary, when such locations are in agreement with the National Electric Code or the provisions of this ordinance.-

~~(I)~~ **(F)** Weather-proof main disconnects shall be installed outside on all new residence and apartments and on service changes to residences and apartments.

~~(J) The National Electric Code section which limits the number of service disconnecting means in multiple occupancy buildings shall be altered to allow additional disconnecting means as follows:~~

~~Each service may have no more outside disconnecting means than there are electric meters.~~

~~*Exceptions:* When there are no more than six (6) electric meters for a building the National Electric Code shall be enforced.~~

~~(K) Over current devices shall not be installed in bathrooms or kitchens and shall be readily accessible.~~

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~~(L) Tie bars used to connect circuit breakers together shall be of a type designed for and approved for the purposes. Nails, wires, and similar improvisations shall not be used in lieu of approved bars.~~

~~(M)~~ **(G)** Not more than six (6) consuming outlets (plugs and lights) on one (1) twenty (20) ampere circuit shall be installed in commercial buildings within the City limits of Midland.

Circuits with lighting only shall be installed according to the National Electric Code.

~~(N)~~ **(H)** Not less than twenty-four (24) inches of each conductor shall be left at the service head for connection to the service drops and the neutral conductor shall be permanently identified.

~~(O)~~ **(I)** Each fixed appliance shall be on an individual circuit not to be smaller than twenty (20) amperes and of a capacity as required. Each fixed appliance shall be permanently identified.

~~(P) The neutrals and grounds of all phases of service shall be grouped together within a common raceway in all installations.~~

~~(Q) Decorative lighting only may be attached to live vegetation. Switches, circuits breakers and related equipment must be attached to a permanent structure.~~

~~(Ord. No. 8630, § 1, 4-22-2008)~~